

SUBJECT- GEOGRAPHY

TOPIC-L-3 OUR CHANGING EARTH

CONTENT	GENERAL OUTCOMES	SPECIFIC OUTCOMES
	The students will be able to-	The students will be able to-
-PRE CONTENT Continents	recall major domains of the earth	enlist the major domains of the earth
-Content Landforms of Earth	conceptualise the different movements of the Earth	analyze the Earths movement and evolution of landforms
-Endogenic Movements Earthquakes and Volcanoes	categorise endogenic movements of the Earth	identify the causes of movements which result in earthquakes and volcanoes
-Exogenic Movements -Erosion Deposition Weathering	recognize the major agents of gradation on the earth, rivers, winds and waves	identify erosion, weathering and deposition as major agents of changes seen on the gradational landforms
-Post content Case Study- Bhuj	assimilate facts about Bhuj (earthquake)	conduct a case study of earthquake region- Bhuj

HOMEWORK/ ASSIGNMENT

- Read the lesson.
- Complete Question&Answers in notebook.
- Suppose a camp for people, who are victims of a disaster, has been setup in your neighbourhood. How can you help them? Think and Answer.

TEACHER'S ACTIVITY	STUDENT'S ACTIVITY	TEACHER'S OBSERVATION AND REMEDIAL TAKEN
Teacher will-	Students will-	
-take up the brainstorming session recalling the different continents of the world and major domains of the earth	-take part in the discussion and and pen down the domains and continents in their notebook	
-ANNEXURE 3A -guide the students to complete the activity	-ANNEXURE 3a -follow the instructions to complete the activity	
-ANNEXURE 3B Volcano in making -guide the students to complete the activity	-ANNEXURE 3b -follow the instructions to complete the activity	
-ANNEXURE 3C hold a discussion on erosion, deposition and weathering with the help of flow learning	-ANNEXURE 3c actively participate in the discussion and make the flowchart in their notebook	
-read the case study from book and collect information on the same	-complete the worksheet given in ANNEXURE 3B	

TEACHING AIDS- Activity sheet, Interactive board and relevant support material

METHODOLOGY: Activity based learning, Discussion, Flow learning

INTERDISCIPLINARY LINKS: Science Experiment, Self Awareness- measures taken in Earthquake hit area

COORDINATOR

HOD

VICE PRINCIPAL

PRINCIPAL

ANNEXURE 3A

Experiment to be done.

Take a small coloured paper pellet and put it in a beaker half filled with water. Place the beaker on a tripod stand and heat it. As the water warms up, you will observe that the paper pellet is moving upward along with the warm layers of water and then sinks back along with the cooler layers of water. The molten magma inside the earth moves in a similar manner. This shows the movement of the earth (endogenic force).

ANNEXURE 3a

Experiment to be followed – to highlight the movement of the earth – endogenic forces.

ANNEXURE 3B: Teacher will guide the students to complete the activity.

ANNEXURE 3b: Students will follow the instructions to complete the activity.

EXPERIENTIAL LEARNING-ACTIVITY NO. G - III

Subject	Geography
Class	VII
Chapter	L-3, Our Changing Earth
Topic	Volcanoes
Time	1 hour/2 periods
Nature of Activity	Individual

Activity Title- Volcano in Making(Hands on)

What will I learn(Learning Outcomes)? - The students will be able to:

- comprehend the components of a Volcano.
- creatively present the components of a volcano using clay.

SKILLS: Remembering and Creating

What I have to do? – Gather information on the components of a volcano and develop a model using clay highlighting the components of a volcano.

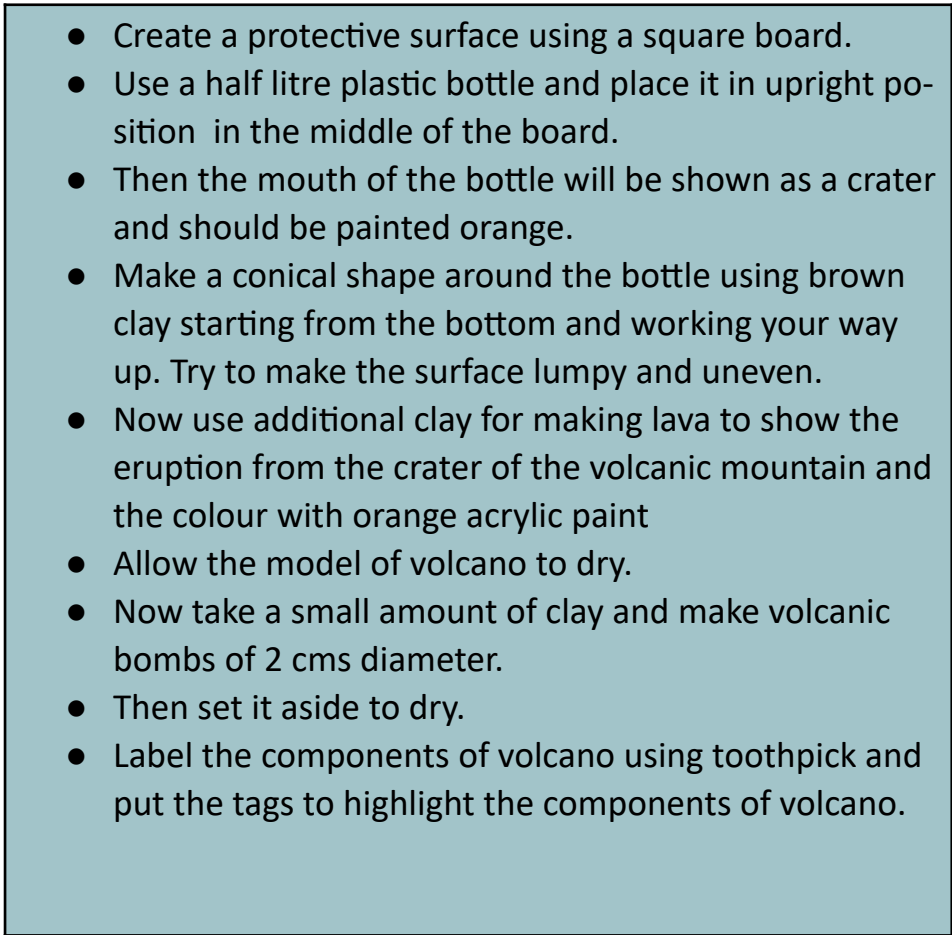
What do I require? – two packets of air drying clay(brown colour), large square board, plastic bottle or mason jars, orange, burgundy, black and red acrylic paint toothpicks, a pair of scissors.

What do I need to know? – Tectonic movements of the earth-Volcanoes and Earthquakes.

Teacher's Activity- Teacher will:

- conduct a discussion on the volcano and its components to make the students familiar with the volcano.
- ask the students to gather the relevant material that goes into the making of the volcano like clay, cardboard(square 2x2 feet) jar, paint colours, toothpick and paper tags.
- hold a discussion on steps that will go into the making of a volcano for easy completion of the activity. Refer Fig. III.1.

Fig. III.1

- 
- Create a protective surface using a square board.
 - Use a half litre plastic bottle and place it in upright position in the middle of the board.
 - Then the mouth of the bottle will be shown as a crater and should be painted orange.
 - Make a conical shape around the bottle using brown clay starting from the bottom and working your way up. Try to make the surface lumpy and uneven.
 - Now use additional clay for making lava to show the eruption from the crater of the volcanic mountain and the colour with orange acrylic paint
 - Allow the model of volcano to dry.
 - Now take a small amount of clay and make volcanic bombs of 2 cms diameter.
 - Then set it aside to dry.
 - Label the components of volcano using toothpick and put the tags to highlight the components of volcano.

Student's activity- Students will-

- follow instructions and proceed accordingly.
- gather all the relevant material that goes into the making of volcano i.e. Two packets of brown colour air dry clay, board, jar, paint colours, toothpicks, paper tags, a pair of scissors.

- proceed to model the volcano using reference fig. III.1 shared by the teacher to complete the activity.

What have I observed?

Observation table- Components of Volcano

<u>Components of Volcano</u>	<u>Colour</u>	<u>Reason</u>
*Magma Chamber	Red or orange	Magma chamber is a large pool of liquid rock beneath the surface of earth and the temperature ranges between 700c to 1600c.

***Sample filled**

What have I learnt?

- Volcano is a vent on the surface of the earth. They erupt due to tectonic movement. A Volcanic mountain is formed due to accumulation of lava around the vent in the course of time.

What am I curious to learn?

- Different types of volcanoes around the world.

Let me evaluate myself:-

Q.1 Examine any two causes behind the eruption of the volcano.

Ans. _____

Q.2 Draw and label the diagram of a volcano.

Q.3 Match the column:-

Column A	Column B
a. Crater	(i) Molten rock beneath Earth's surface
b. Ash	(ii) Molten rocks that erupts from a volcano that solidifies as it cools
c. Lava	(iii) Fragments of lava or rock smaller that are blasted into the air by volcanic explosions
d. Magma	(iv) Mouth of a volcano-surrounds a volcanic vent

Q.4 Differentiate between Active and Dormant volcanoes in two points.

Ans. _____

_____.

ANNEXURE 3C: Teacher will initiate a discussion on exogenic movements with the help of flow learning.

ANNEXURE 3c: Students will make the flow chart in their notebook.

